

MODIS TECHNICAL TEAM

July 25, 1996

The MODIS Technical Team Meeting was chaired by Vince Salomonson. Present were Bob Murphy, Dick Weber, Al Fleig, Harry Montgomery, David Toll, Steve Ungar, Yoram Kaufman, Locke Stuart, Catherine Harnden, Dorothy Hall, Wayne Esaias, and Edward Masuoka.

1.0 SCHEDULE OF EVENTS

Aug. 16	Revised ATBDs due to the EOS Project Science Office
Sept. 4 - 5	SDST Science Advisory Panel Meeting at GSFC
Oct. 8	MODIS Calibration Working Group near GSFC
Oct. 9 - 11	MODIS Science Team Meeting near GSFC

2.0 MINUTES OF THE MEETING

2.1 MODIS Instrument Update

Salomonson indicated a major concern with recent MODIS polarization and calibration issues. Kaufman said a reported 14 nanometer shift in the center bandpass for MODIS band 8 will significantly affect their algorithm development. Murphy said Justice, Esaias and others met yesterday to discuss the implications of uncertainties with the MODIS calibration and polarization. Salomonson requested that Murphy arrange a special meeting, including Salomonson, to discuss the MODIS instrument uncertainties. Montgomery is tasked to have someone summarize the current MODIS specifications (also include any waivers given to SBRS from Goddard) and summarize analyses of tests indicating the performance of MODIS relative to the specifications. Weber said there is agreement that the Round Robin for calibration of the Spherical Integrating Sphere will occur in August at SBRS.

2.2 SDST and Goddard DAAC Update

Masuoka said the DAAC hardware will be updated to handle the IRIX 6.2 operating system prior to Version 1 software performance testing. SDST and the DAAC must use IRIX 6.2 to perform realistic benchmarks of Version 1 software on hardware that is comparable to what will be available at launch. There is a question whether system integration testing of Version 1 software should be at the Goddard DAAC or NSIDC. Masuoka said Level 2 algorithms are in from the land, atmosphere, and ocean teams for incorporation of Version 2 Testing in the Engineering Model by the Goddard DAAC. In addition, although Level 3 algorithms are in from land and ocean, the atmosphere group will not be able to deliver Level 3 algorithms. Masuoka reported a Test Integration Workshop

Report summarizing coordination of selected DAACs should be forthcoming by the 7-8 of August. The ATBD revision date is still 16 August. However, the land team has not received the reviews and may have a little more time. There was a problem with some files from the Univ. of Miami, but the SDST was able to assist the DAAC, and SDST is redoing the files.

Harnden reported the science team is welcome to attend a lesson learned meeting of the Beta testing to be held 2 August from 1 - 3 p.m. in Bldg. 32, Rm S130B at Goddard. Masuoka requested an advance copy of the DAACs technical report summarizing the Beta testing. Harnden said the document should be available by the first of August.

2.3 Discipline Reports

Kaufman said processing of MAS data by SDST is slow. Masuoka said they are recently using some of the Atmosphere Group's computers to quicken turn around.

Esaias is working on plans to coordinate MODIS-SIMBIOS guidelines by 30 September, 1996. Murphy indicated he plans to serve on a review panel with Esaias.

Hall reported they are currently working with one delivered MAS scene. Hall attended the Atmosphere Cloud Mask session last week at Wallops. They are interacting with the Wisconsin group on snow/cloud test images. In addition, Hall and Wisconsin are working together on a February ER MAS test flight. Hall went to a NOAA meeting and reported there is an ongoing issue on how to best switch back and forth between the 1.6 μm and 3.7 μm bands, for the daytime overpass for the upcoming AVHRR.

2.4 MAST Reports

Toll reported that 40% of the semi-annual reports due 15 July 1996 have been submitted. Conboy mailed out reminders to the remaining 60%. Toll said four of the five new MODIS PIs (Campbell, Gao, Vermote, and Townshend) are under contract. Myneni's contract is still being processed. EOS Project has announced that FY96 funding should only carry money over two weeks beyond the fiscal year. Stuart responded saying that two weeks is not realistic for contracts, and is awaiting a reply. However, Stuart said he sent a letter to the accounting office of MODIS science team members informing them that they should be reducing cost carry over and quicken disbursements. Uncosted and undisbursed money remains a significant problem and that MODIS is working hard to reduce cost carry over. Stuart said MAST with SDST and MCST are considering going with performance-based contracts with the GSFC on-site contractors in order to save money.

3.0 ACTION ITEMS

3.1 New Action Items

1. *H. Montgomery* to have someone summarize the current MODIS specifications and summarize current MODIS testing performance relative to the specs.
2. *L. Stuart and T. Mautino* to argue the case that two weeks is too soon to limit carry over money past the fiscal year.
3. *R. Murphy* to coordinate activities of the sea-ice temperature algorithm development.